Design of Open Channels

October 1977
Technical Release No. 25

U.S. Department of Agriculture
Soil Conservation Service
Engineering Division
Washington, D.C. 20250

UNITED STATES DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE, P.O. Box 2890

Washington, D. C. 20250 20013

September 28, 1977

TECHNICAL RELEASE NOTICE 25-5

This technical release notice transmits a new edition of Technical Release No. 25 titled "Design of Open Channels." It supersedes the version of Technical Release No. 25 dated December 15, 1964, and all subsequent revisions. Technical Release Notices 25-1 through 25-4 are canceled.

New material on the use of landscape architecture has been added to Chapters 2 and 7. Chapter 6 has been revised to include current state of the art concepts for channel stability analysis.

Geology Note 2 is being prepared and should be ready for issuance in the near future. The Note is referred to in Chapter 6. A new Chapter 8 on "Landscape Architecture Design" is also being developed and will be added to Technical Release No. 25 when available.

NEIL F. BOGNER
Director
Engineering Division

Enclosure

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PREFACE

This technical release was prepared by Soil Conservation Service specialists for the use of field personnel. It supersedes Technical Release No. 25 dated December 15, 1964, and all revisions to this document. Previous editions should be discarded. This version incorporates visual resource and environmental considerations and updates stability analysis information.

The technical release covers procedures for design of open channels and related measures such as floodways. Cirteria and standards applicable for each situation should be used in conjunction with these procedures.

Designers of open channels should find the technical release useful in considering the numerous technical aspects that are important to sound channel modifications. Close coordination of many technical fields is important if channels with minimum environmental impacts are to be developed.

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